



12CR6

DIODE—REMOTE-CUTOFF PENTODE

7-PIN MINIATURE TYPE

12CR6

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage. 12.6 ac or dc volts

Current. 0.15 amp

Mechanical:

Mounting Position. Any

Maximum Overall Length 2-1/8"

Maximum Seated Length. 1-7/8"

Length, Base Seat to Bulb Top (Excluding tip). . 1-1/2" $\pm$ 3/32"

Maximum Diameter 3/4"

Dimensional Outline. See General Section

Bulb T-5-1/2

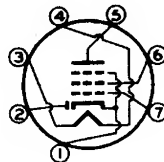
Base Small-Button Miniature 7-Pin (JETEC No.E7-1)

Basing Designation for BOTTOM VIEW 7EA

Pin 1—Cathode,
Pentode
Grid No.3Pin 2—Diode
Plate

Pin 3—Heater

Pin 4—Heater

Pin 5—Pentode
PlatePin 6—Pentode
Grid No.2Pin 7—Pentode
Grid No.1PENTODE UNIT - Class A₁ Amplifier

Maximum Ratings, Design-Center Values:

PLATE VOLTAGE. 300 max. volts

GRID-No.2 (SCREEN-GRID) SUPPLY VOLTAGE. . . 300 max. volts

GRID-No.2 VOLTAGE. See Grid-No.2 Input Rating Chart
at front of Receiving Tube Section

GRID-No.1 (CONTROL-GRID) VOLTAGE:

Positive bias value. 0 max. volts

PLATE DISSIPATION. 2.5 max. watts

GRID-No.2 INPUT:

For grid-No.2 voltages up to 150 volts. 0.3 max. watt

For grid-No.2 voltages between 150
and 300 volts. See Grid-No.2 Input Rating Chart
at front of Receiving Tube Section

PEAK HEATER-CATHODE VOLTAGE:

Heater negative with respect to cathode. 100 max. volts

Heater positive with respect to cathode. 100 max. volts

Characteristics:

Plate Voltage. 250 volts

Grid-No.2 Voltage. 100 volts

Grid-No.1 Voltage. -2 volts

Plate Resistance (Approx.) 0.8 megohm

Transconductance 2200 μ mhos

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DIODE-REMOTE-CUTOFF PENTODE

Plate Current.	9.6	ma
Grid-No.2 Current.	2.6	ma
Grid-No.1 Voltage (Approx.) for transconductance of 10 μ mhos	-32	volts

Maximum Circuit Values:

Grid-No.1-Circuit Resistance:

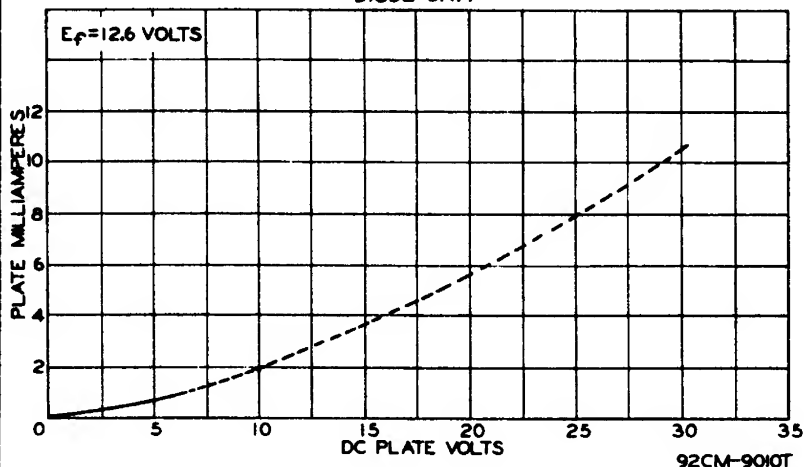
For cathode-bias operation	1.0 max.	megohm
For fixed-bias operation	0.25 max.	megohm

DIODE UNIT

Maximum Ratings, Design-Center Values:

PLATE CURRENT.	1.0 max.	ma
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AVERAGE PLATE CHARACTERISTIC DIODE UNIT

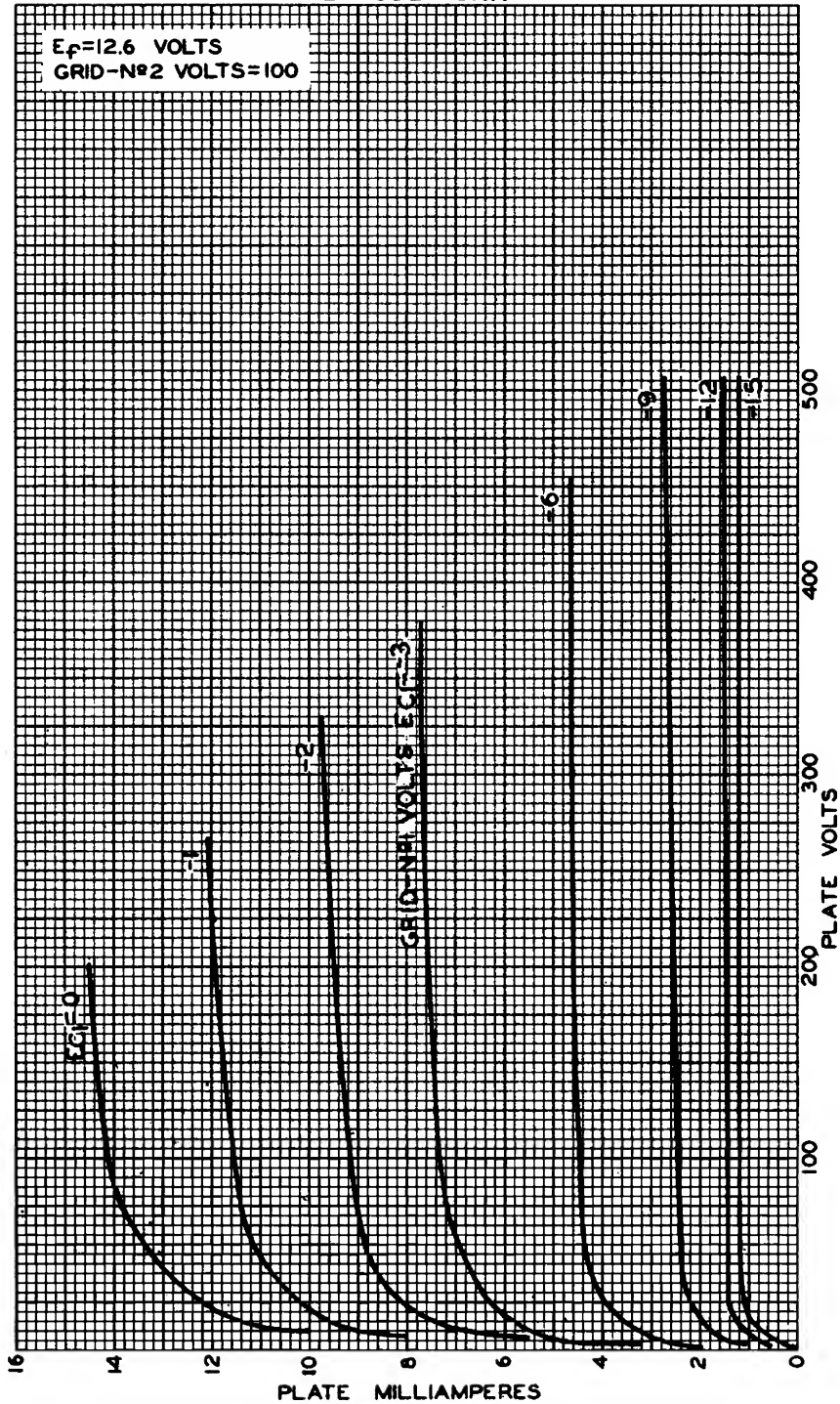




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AVERAGE PLATE CHARACTERISTICS PENTODE UNIT



TUBE DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

92CM-9006

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AVERAGE CHARACTERISTICS
PENTODE UNIT

